

In the claims:

Please amend claims 1-3, 10, 14, 15, 19, 22-24, as follows:

(Amended) 1. A method for providing a set of travel options comprises:

reducing a larger set of travel options to a smaller set of diverse travel options in accordance with a set of diverse travel requirements that represent conditions for a travel option to be considered for inclusion in the set of diverse travel options.

*SAC
02*

(Amended) 2. The method of claim 1 wherein reducing a larger set of travel options to a smaller set of diverse travel options comprises:

generating one or more travel options consistent for each of the diversity of travel requirements.

(Amended) 3. The method of claim 1 wherein reducing a larger set of travel options to a smaller set of diverse travel options comprises:

generating one or more desired travel options consistent with the diversity of travel requirements.

(Amended) 10. A method for reducing a larger set of travel options to a smaller set of diverse travel options comprises:

*03 b1
03 C0ntd*

generating one or more travel options that are best for each of a set of travel preference functions to provide a set of diverse travel options.

(Amended) 14. The method of claim 13 further comprising:

initializing the list of result travel options Rts to be empty; and if the remaining list of requirements Rs is empty,

returning an ordered list of diverse travel options Rts.

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CM*

Bl Cont'd
Q5 Bl Cont'd
Q6

(Amended) 15. The method of claim 14 further comprising:
initializing the list of result travel options Rts to be empty; and if the remaining list of requirements Rs is not empty,
selecting a first travel requirement R from the ordered list of requirements (Rs); and
removing a requirement R from the requirement list (Rs).

Bl Cont'd
Q5 Bl Cont'd
Q6

(Amended) 19. The method of claim 18 wherein if the diversity process determines if a travel option T is not already in the result list Rts,
adding the travel option T to end of the result travel option list Rts; and
determining if the size of the travel option list Rts is equal to or greater than N the process in order to return the ordered list of diverse travel options.

Bl Cont'd
Q6

(Amended) 22. The travel planning system of claim 21 wherein the diversity-based pruning process comprises instructions to cause the system to:
generate a diverse list of N travel options Rts from a larger list of travel options Ts,
generate a prioritized ordered list of requirements Rs;
sort the list of travel options Ts by an ordering function F to produce a best-first ordered list Ts2 with the list of options being optimized travel options for a set of travel requirements R in accordance with the ordering function F

Bl Cont'd
Q6

(Amended) 23. The travel planning system of claim 23 further comprising instructions to cause the system to:
initialize the list of result travel options Rts to be empty; and if the remaining list of requirements Rs is empty,
return an ordered list of diverse travel options Rts.

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Q6

(Amended) 24. The travel planning system of claim 24 further comprising instructions to cause the system to:
initialize the list of result travel options Rts to be empty; and if the remaining list of requirements Rs is not empty,

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A6 Bl Cont'd Bl Cont'd select a first travel requirement R from the ordered list of requirements (Rs); and remove a requirement R from the requirement list (Rs).

Please add claim 25.

A1 Bl Cont'd 25. The method of claim 1 wherein reducing a larger set of travel options to a smaller set of diverse travel options further comprises: evaluating for the travel requirements a set of travel preference functions used to order the larger set of travel options

In the drawings:

Please approve the proposed drawing changes.